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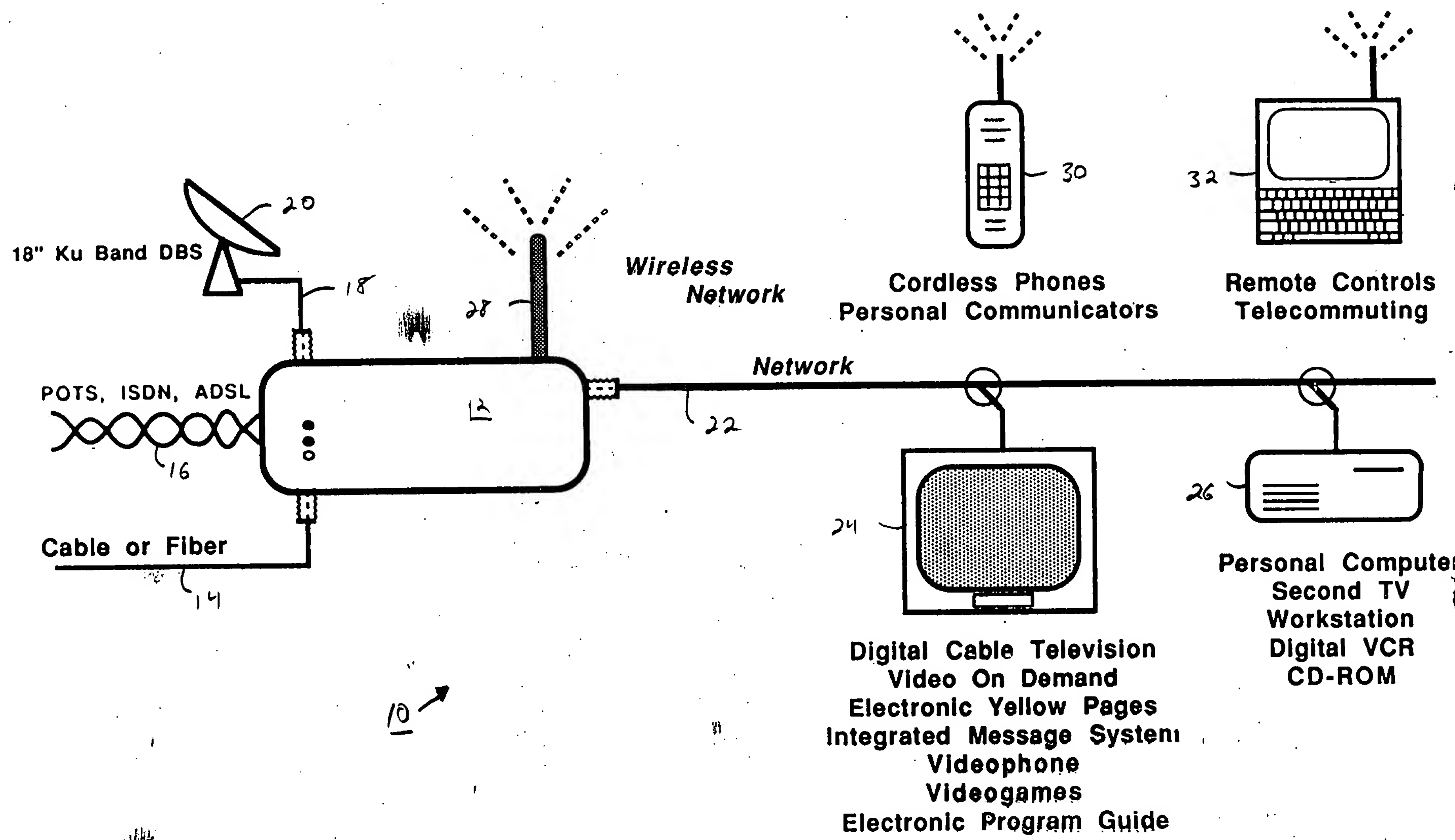

Figure 1

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Figure 2

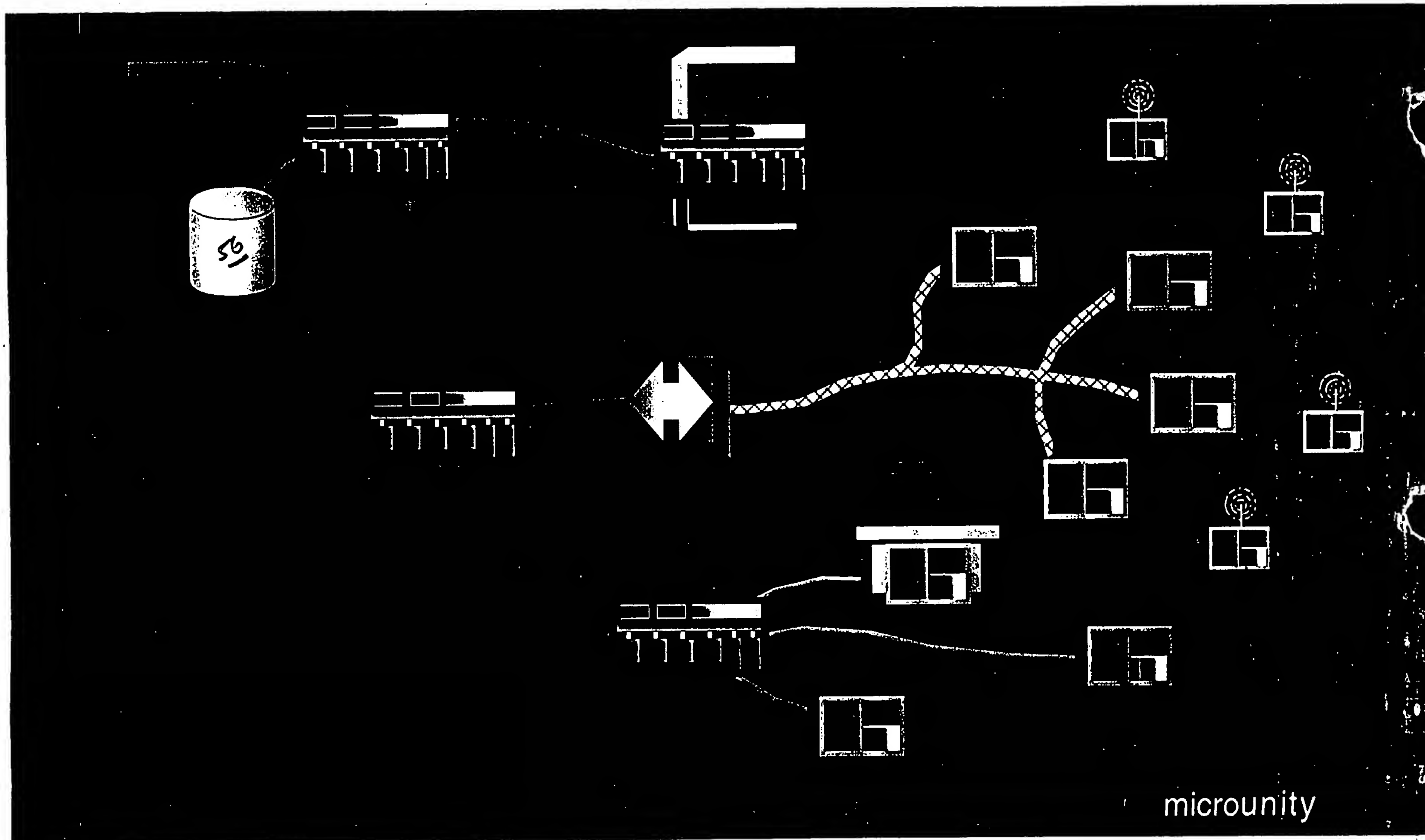

Figure 3

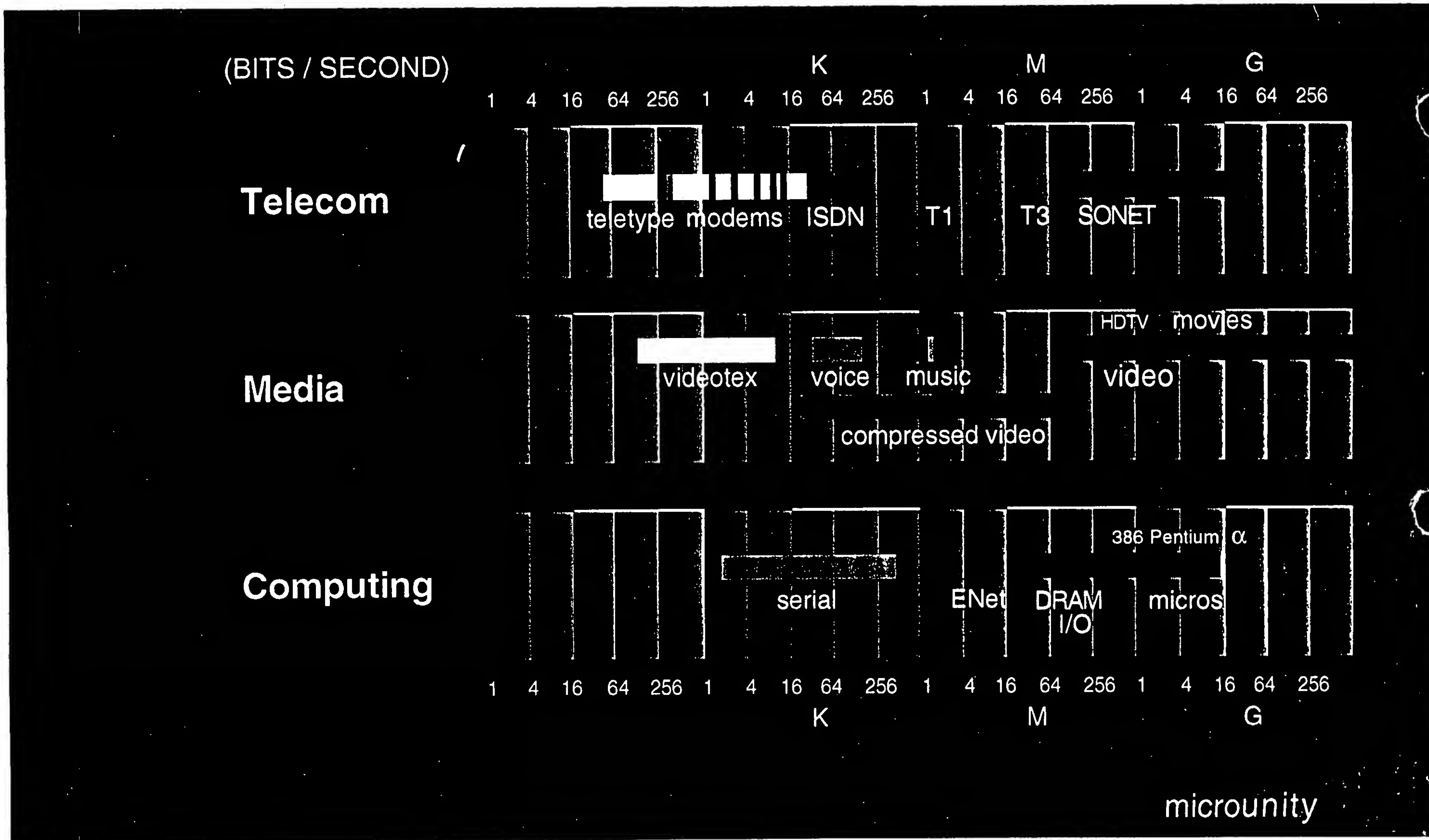

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Figure 4

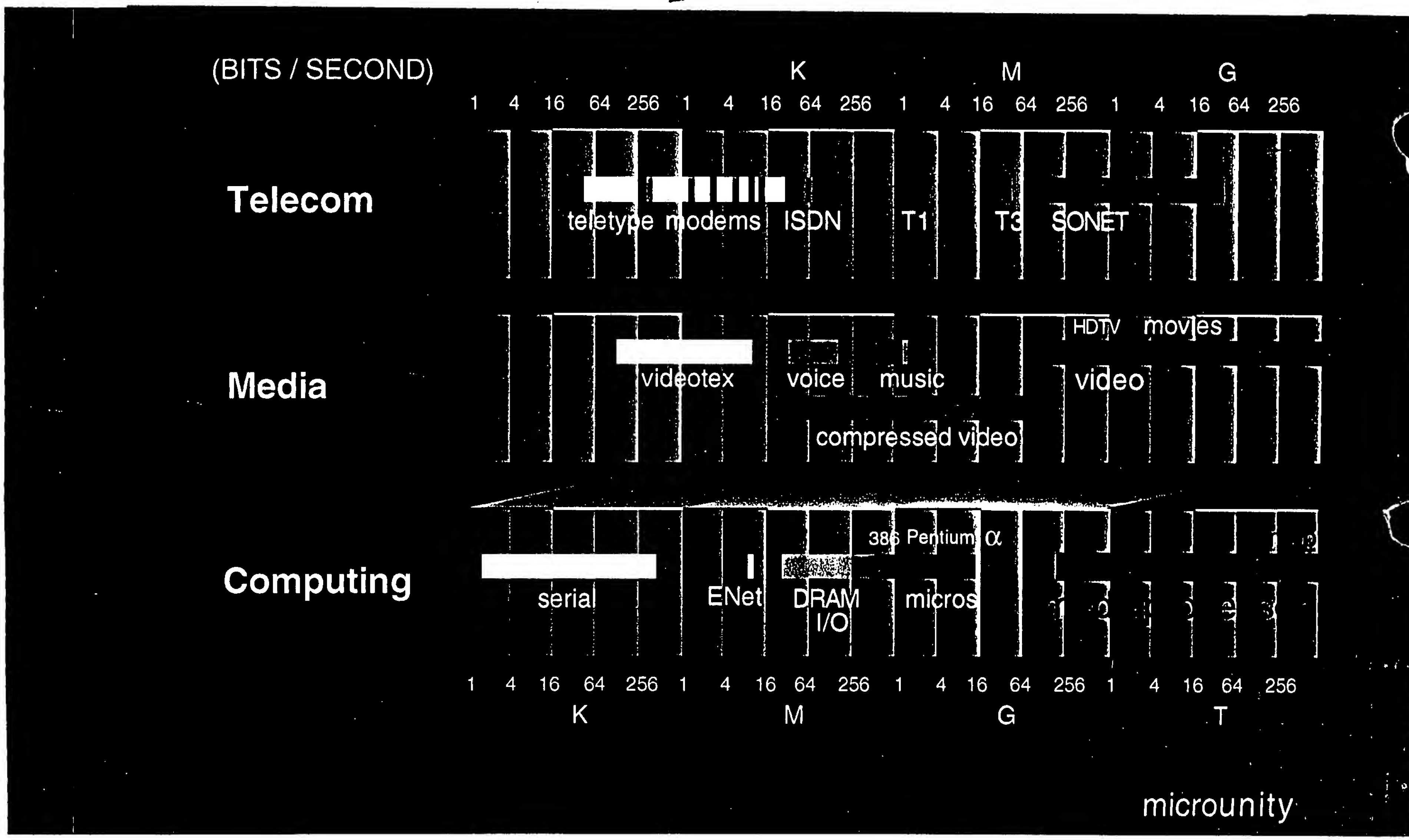
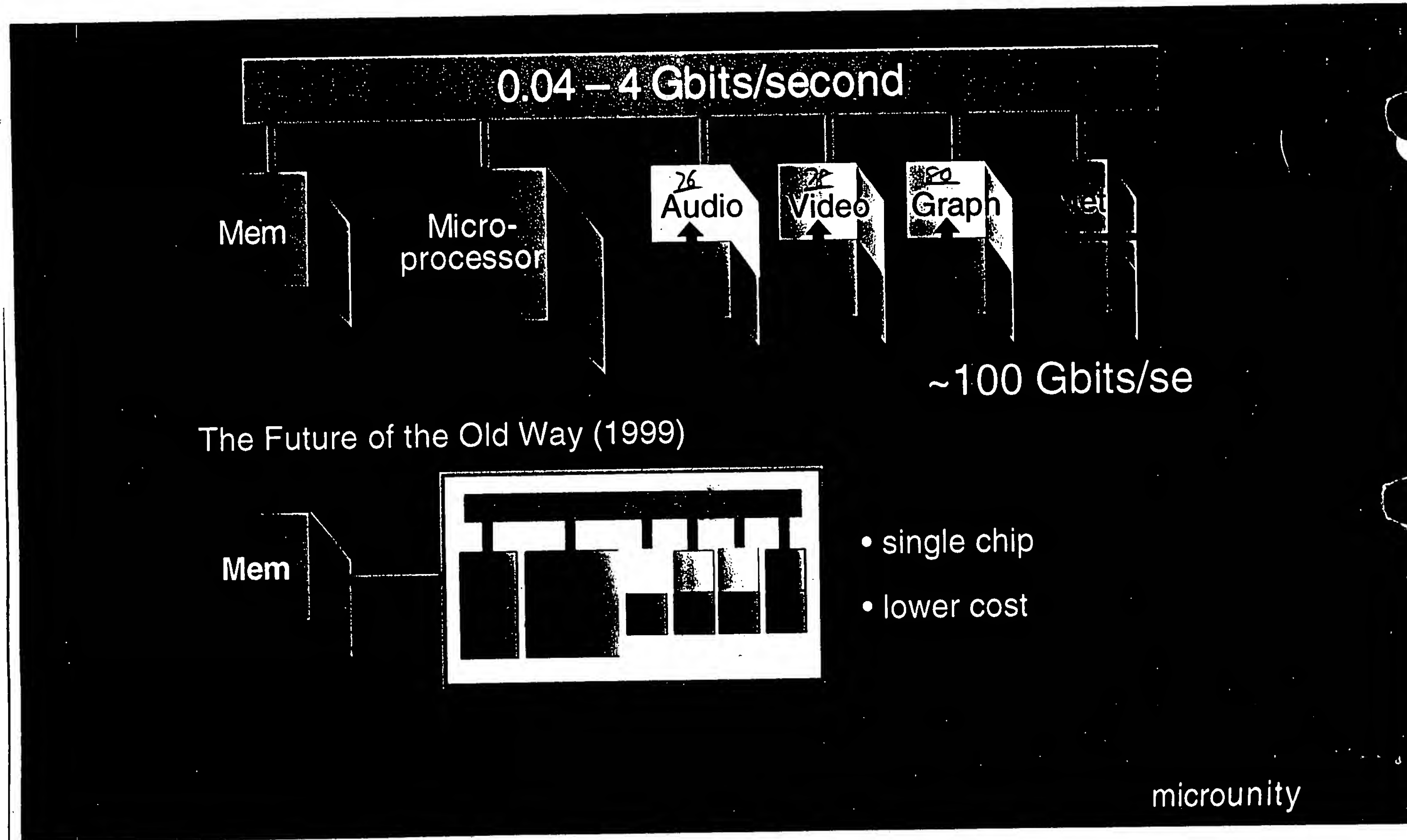


Figure 5



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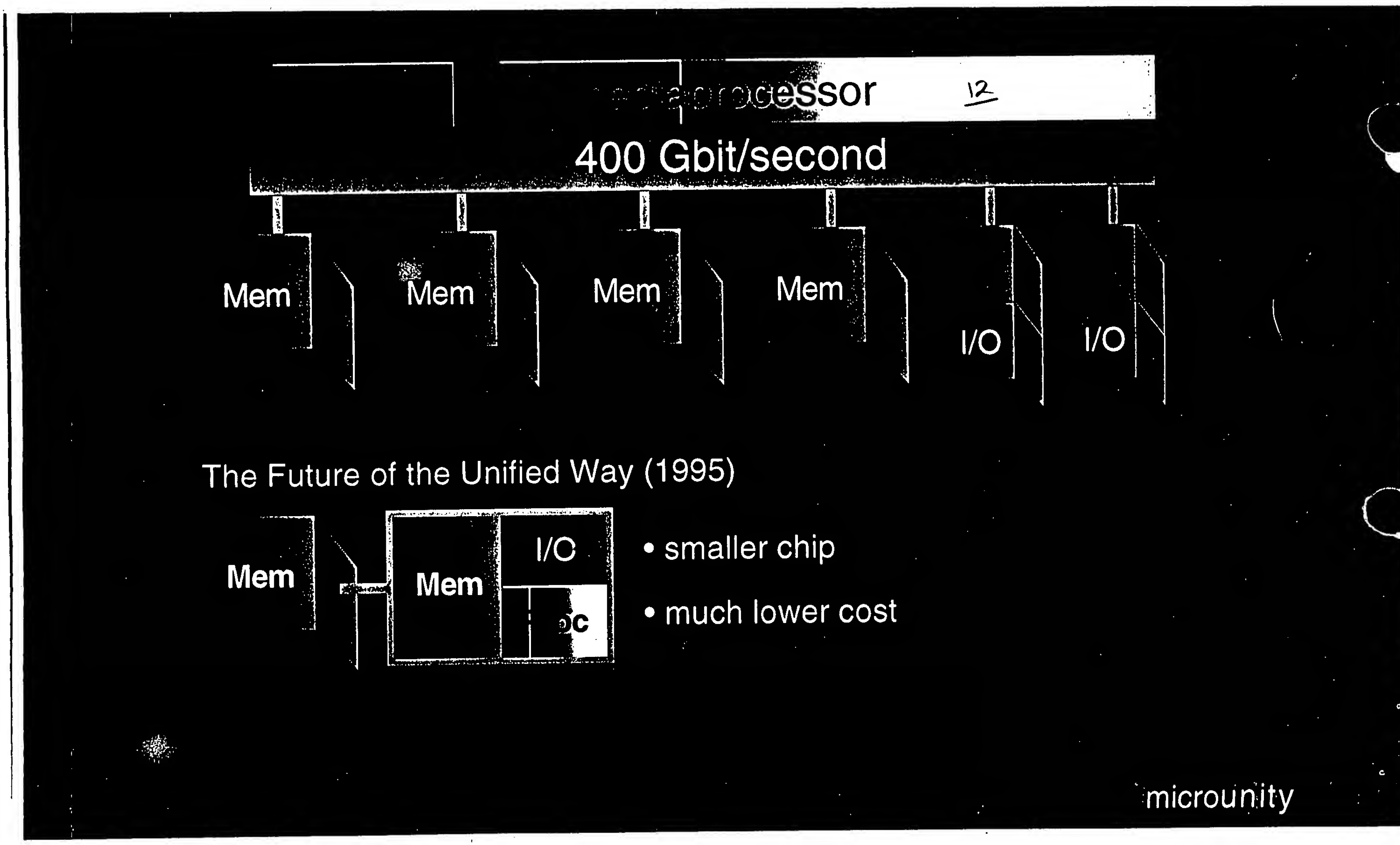

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Figure 7

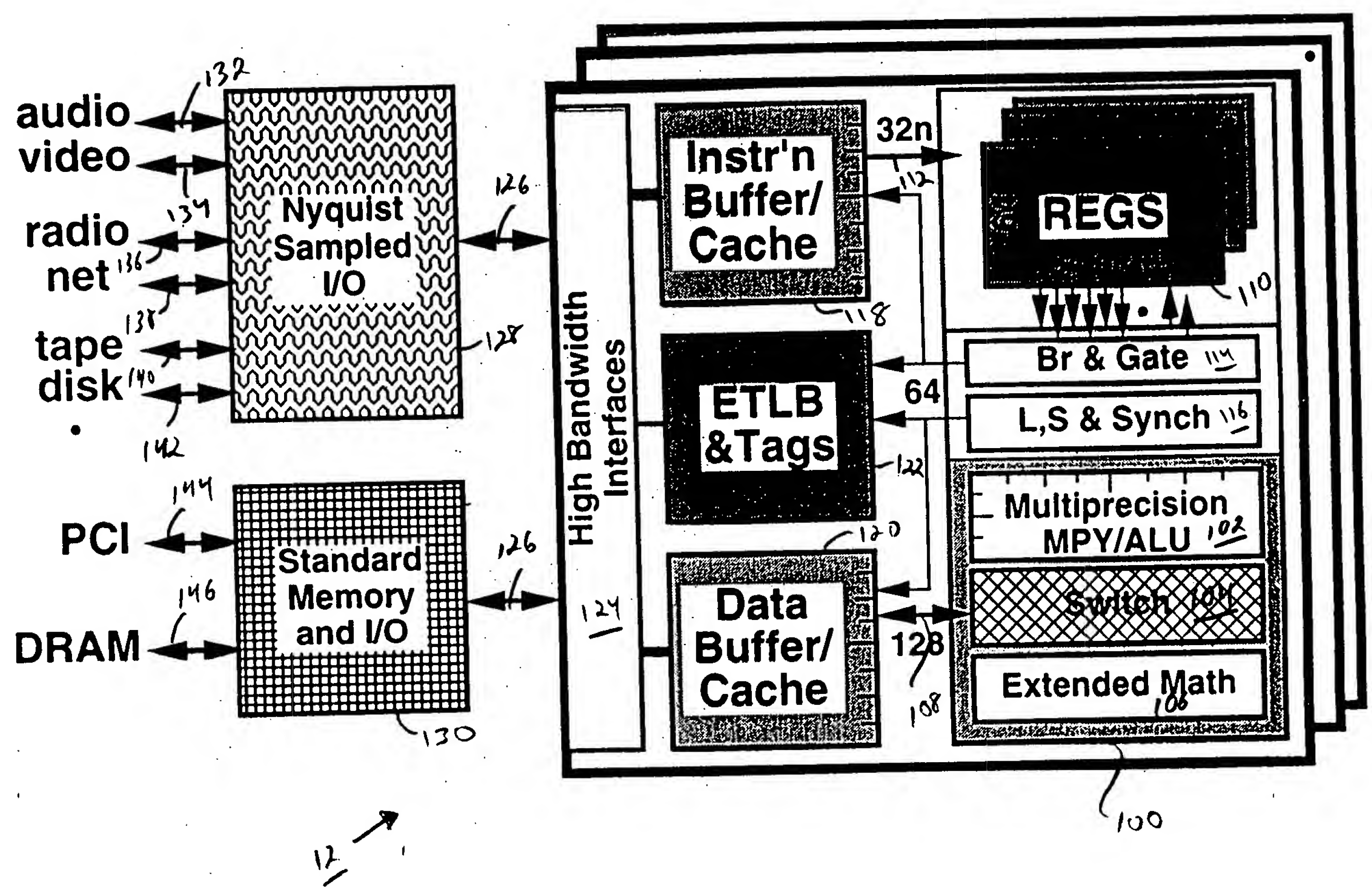

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Figure 8(a)

Group Expand

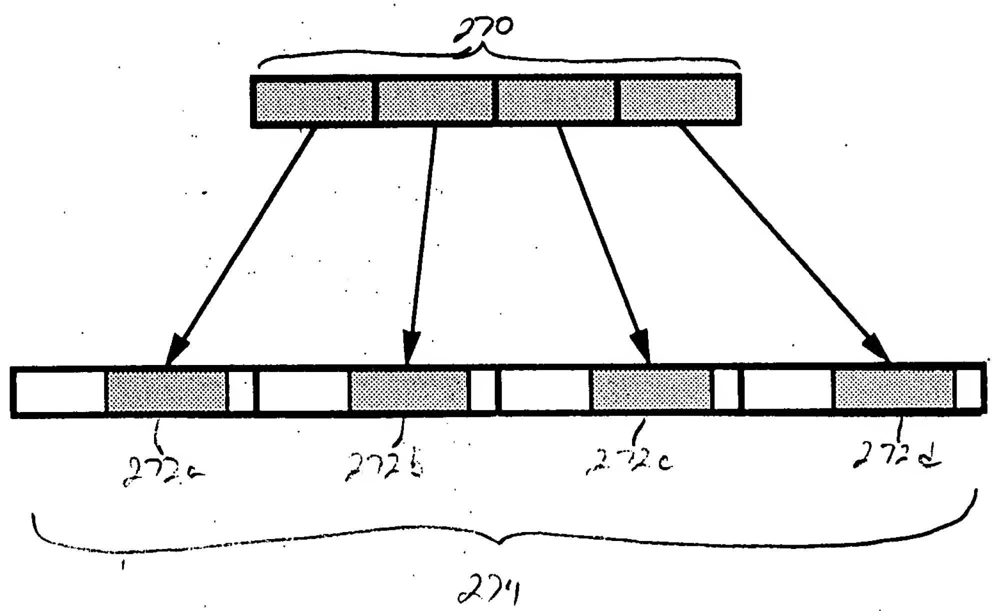

Figure 8(b)

Group Compress, Extract

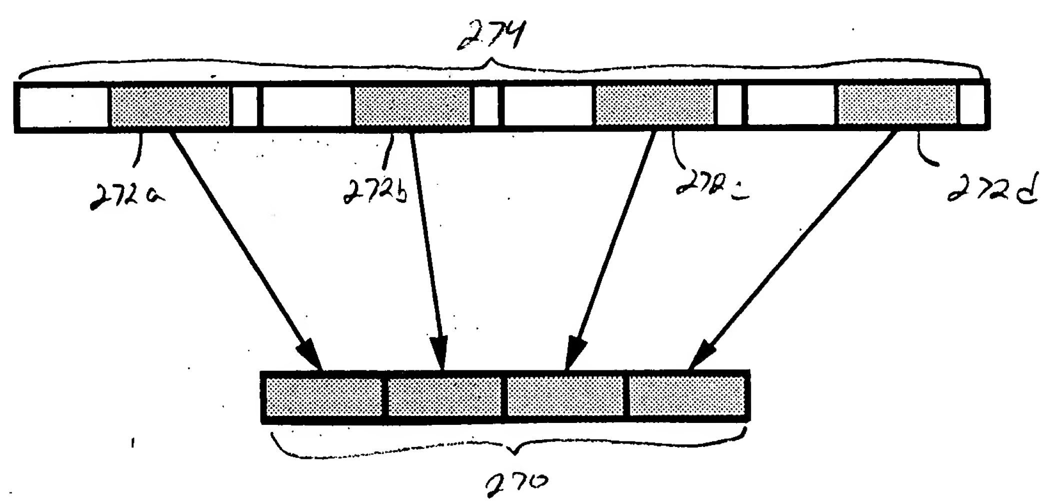

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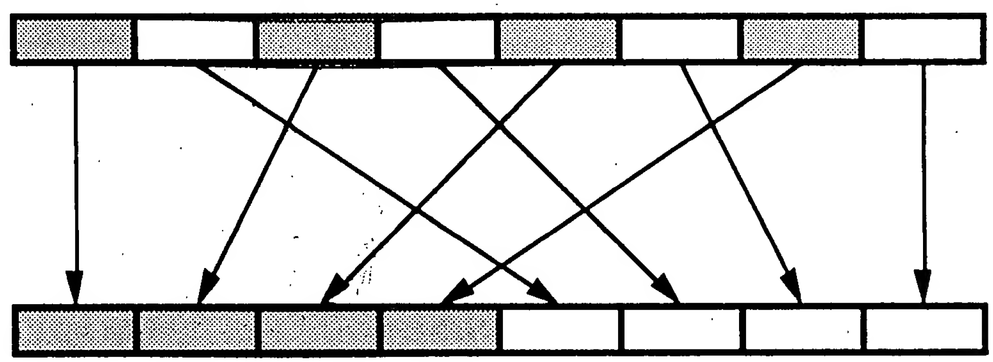
Figure 8(c)

Group Deal, Shuffle

- Group Deal: 128 bits to 128 bits



- Group Shuffle: 128 bits to 128 bits

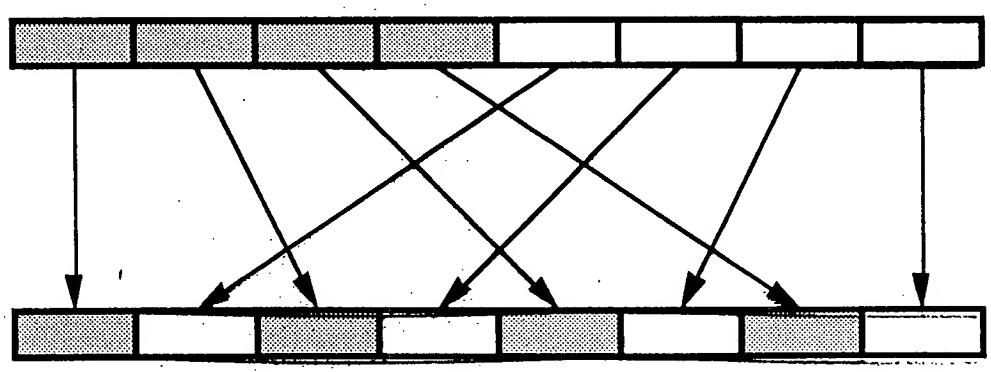


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Figure 8(d)

Group Swizzle (Copy-Swap)

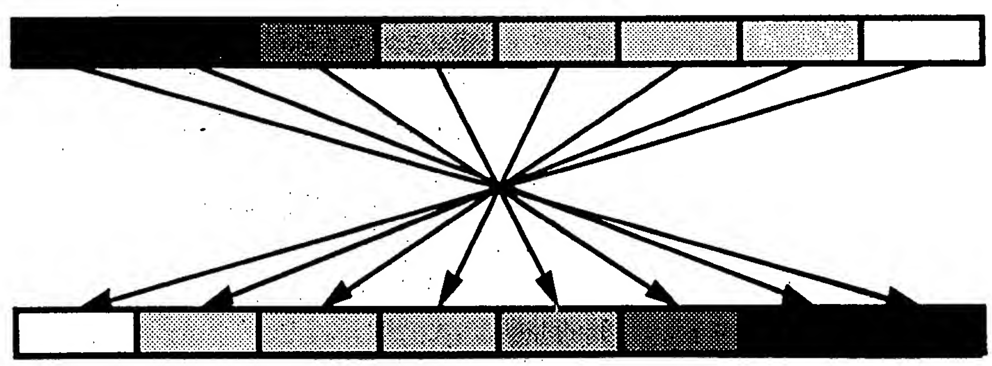

Figure 8(e)

Group Permute

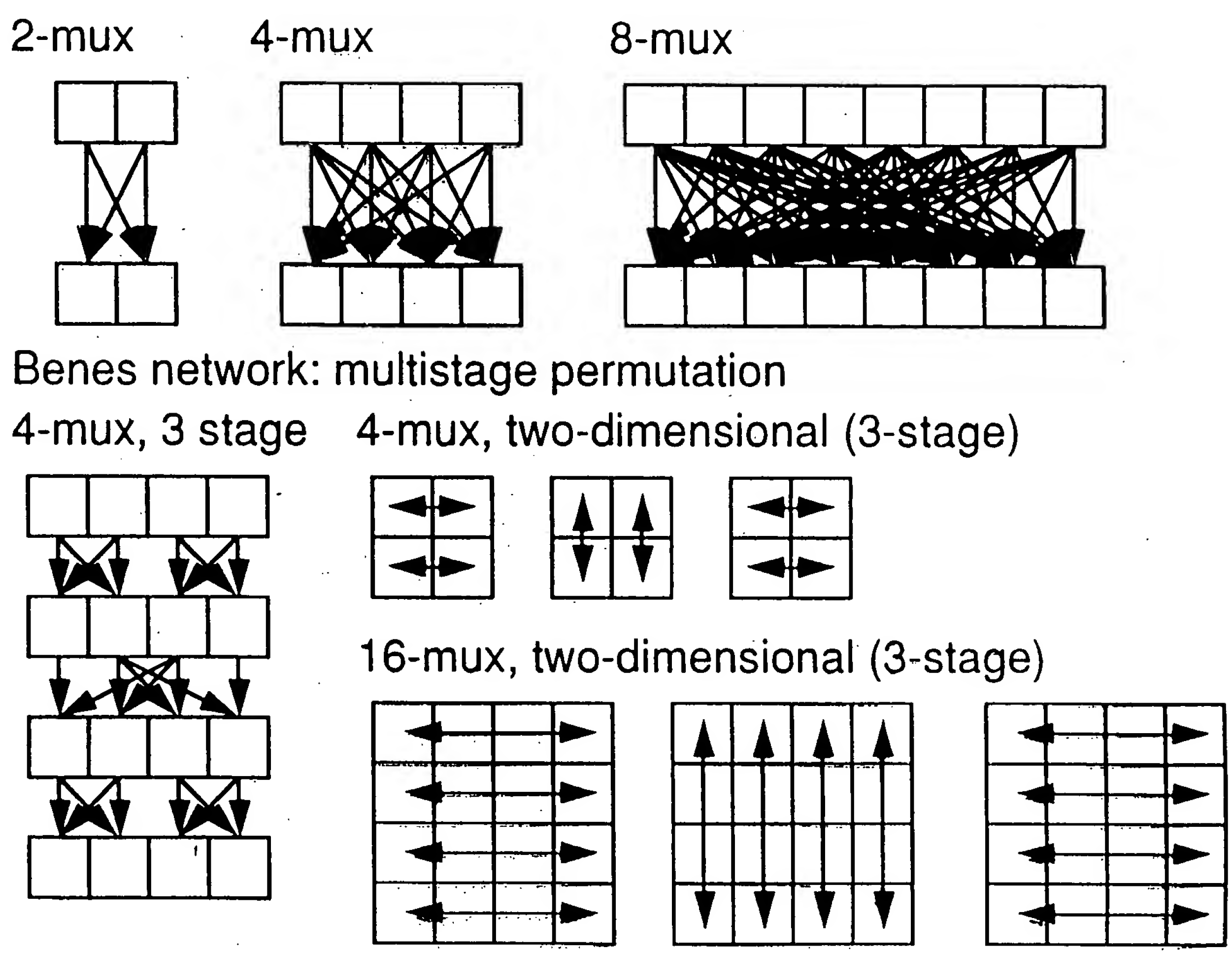

Figure 9(a)

Instruction Formats

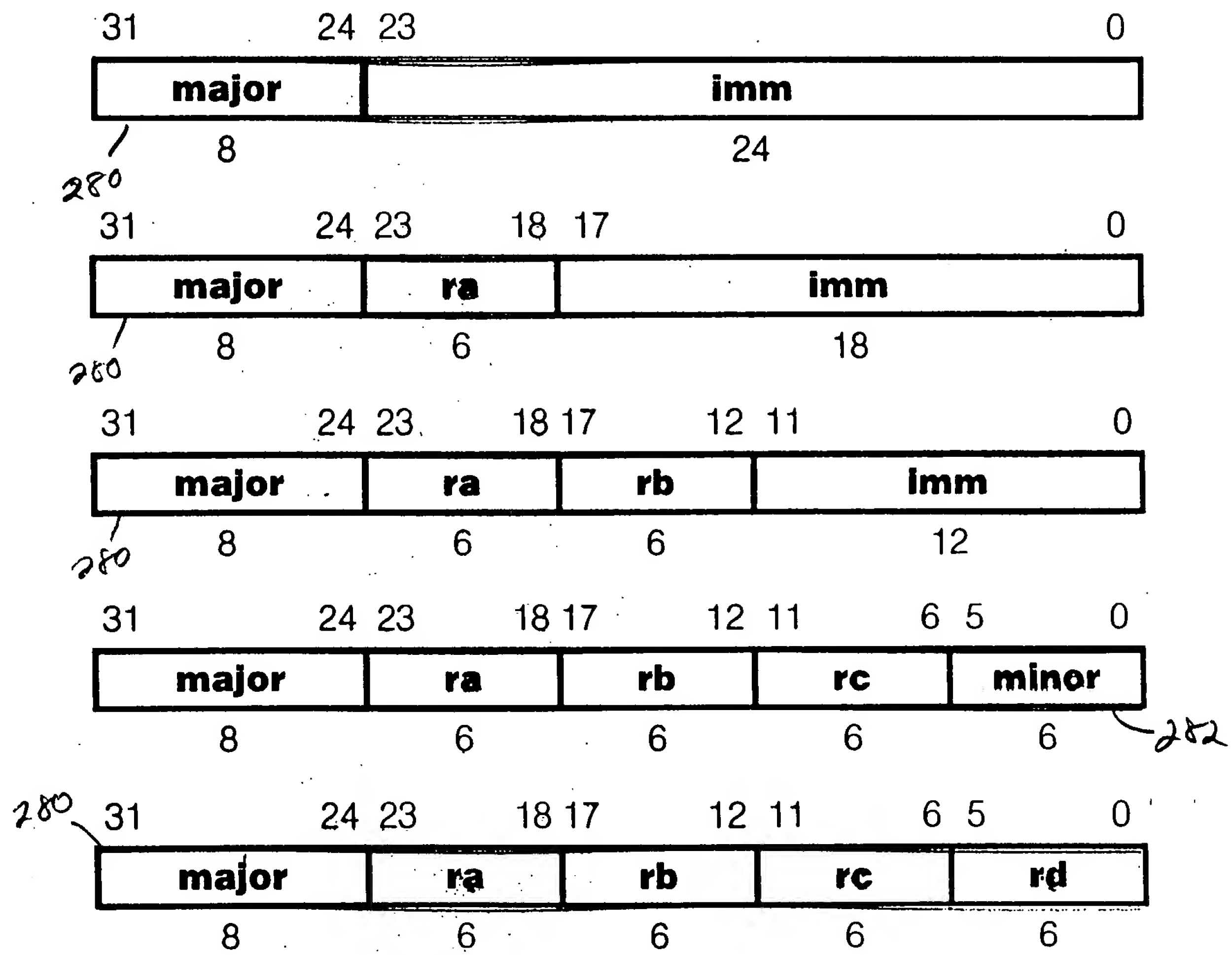

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Figure 9(b)

Floating-point Data Sizes

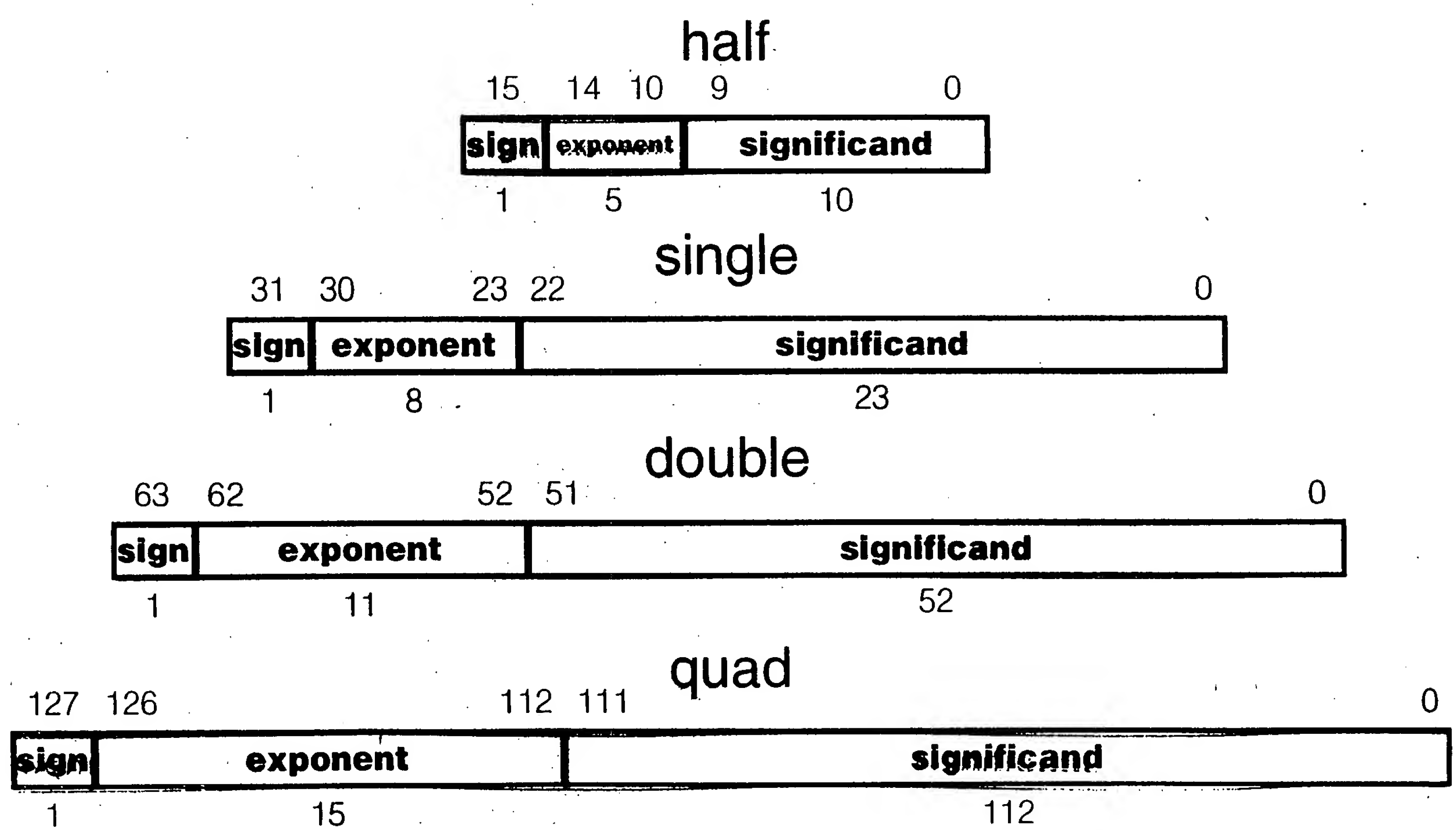

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Figure 9(c)

Fixed-Point Data Sizes

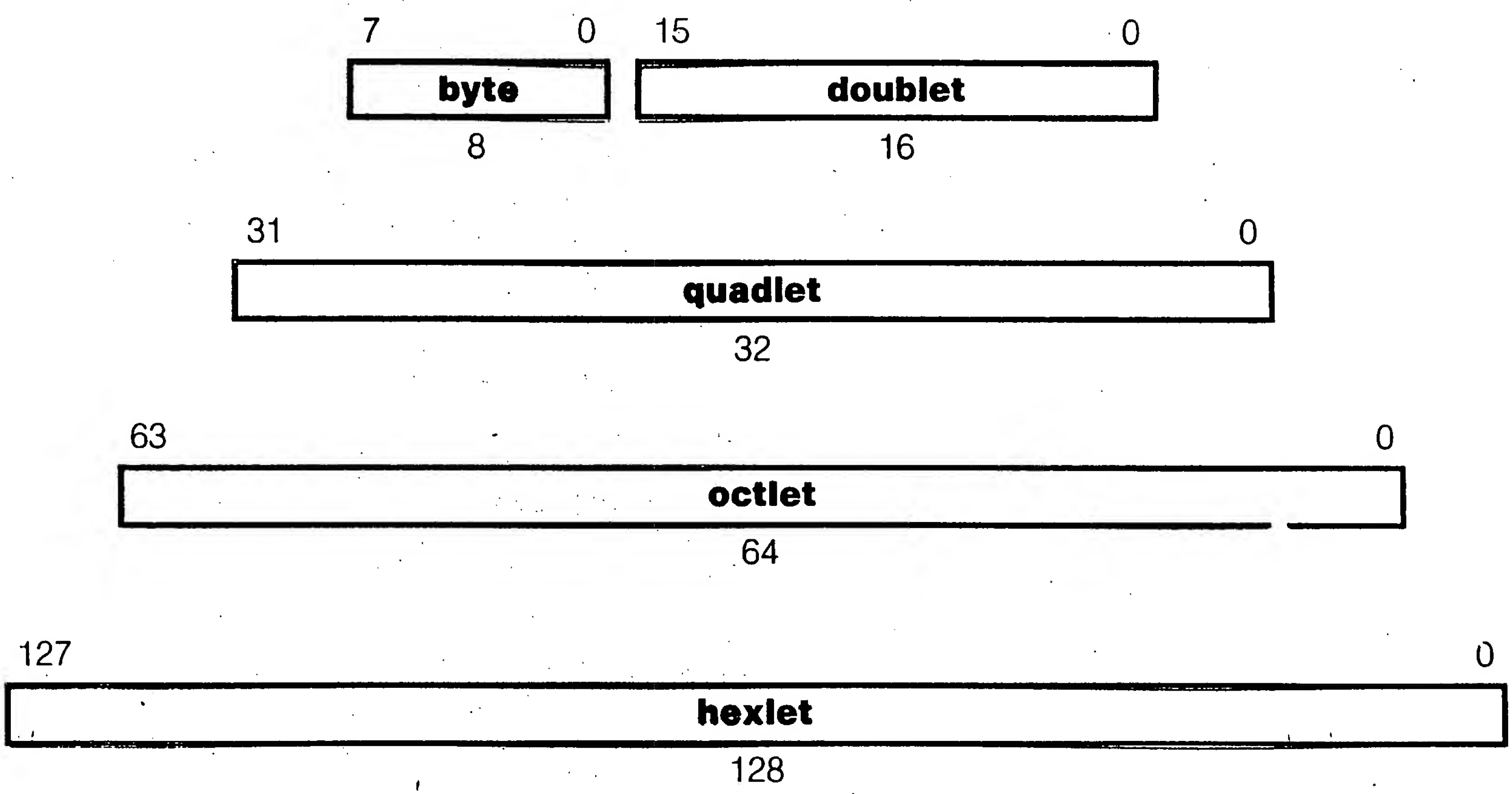

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Figure 10(a)

Translation Block Diagram

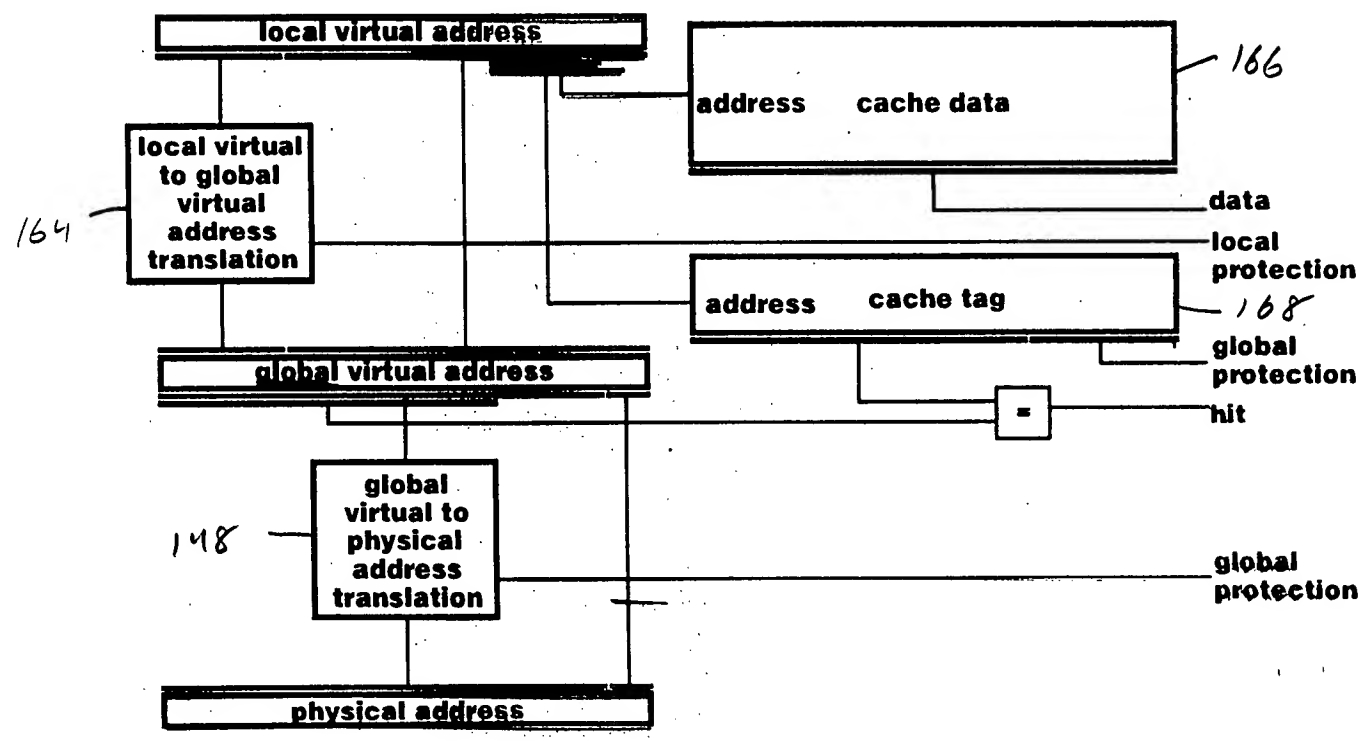

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Figure 10(b)

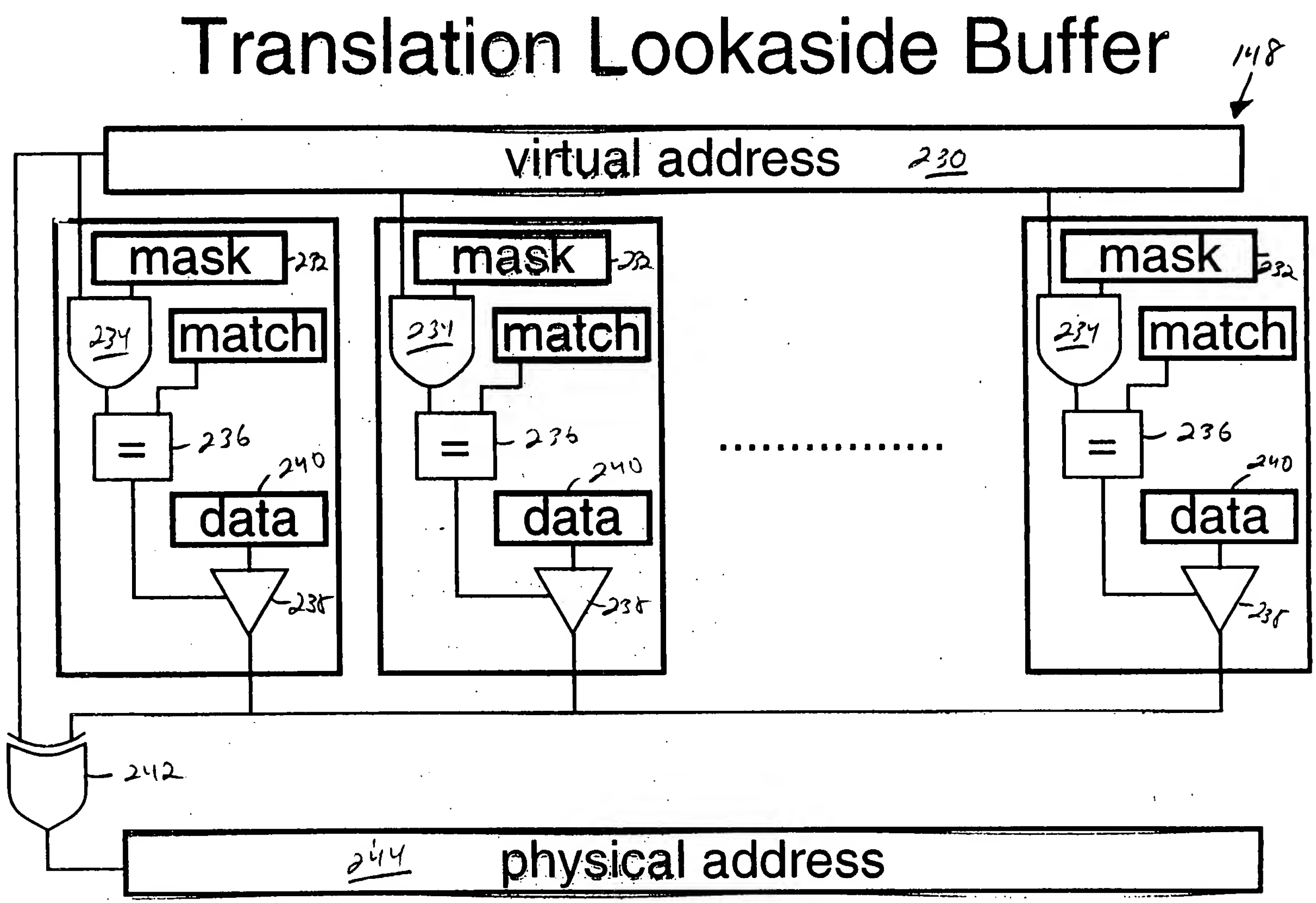

Figure 11

Superstring Pipeline

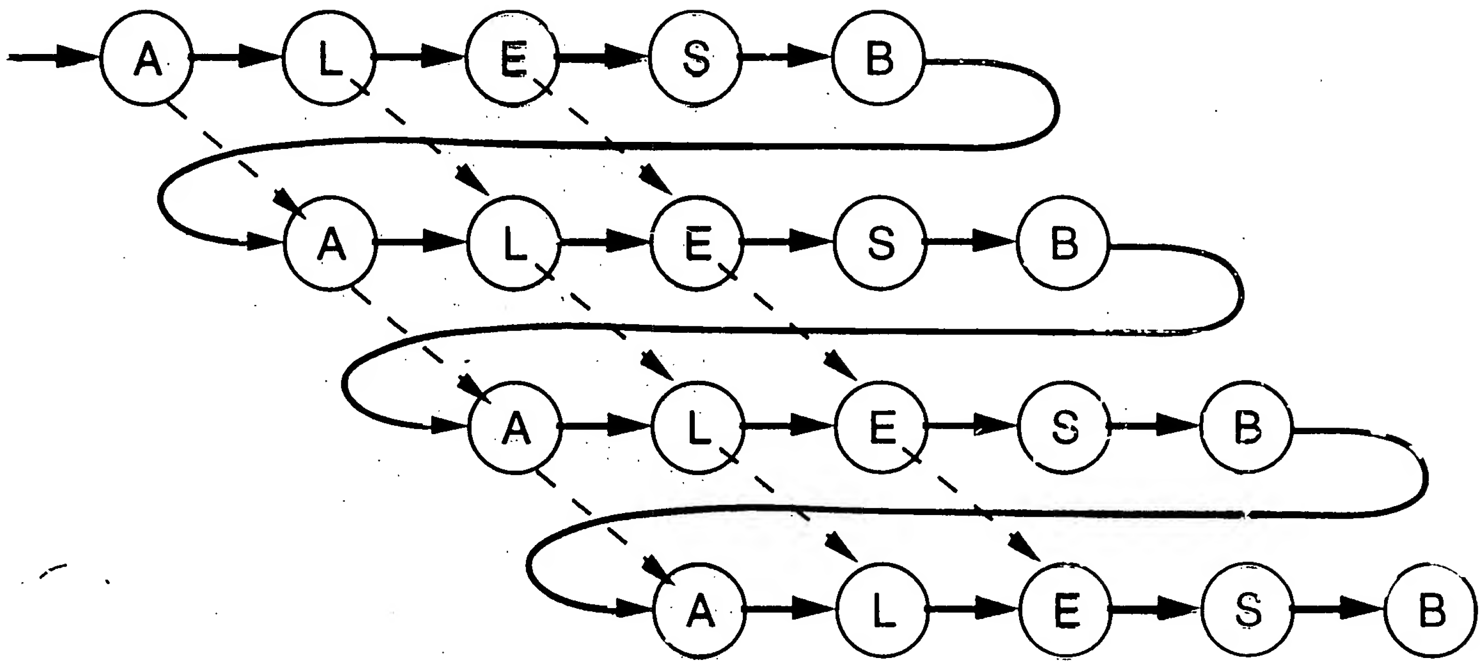

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Figure 12

Superspring Pipeline

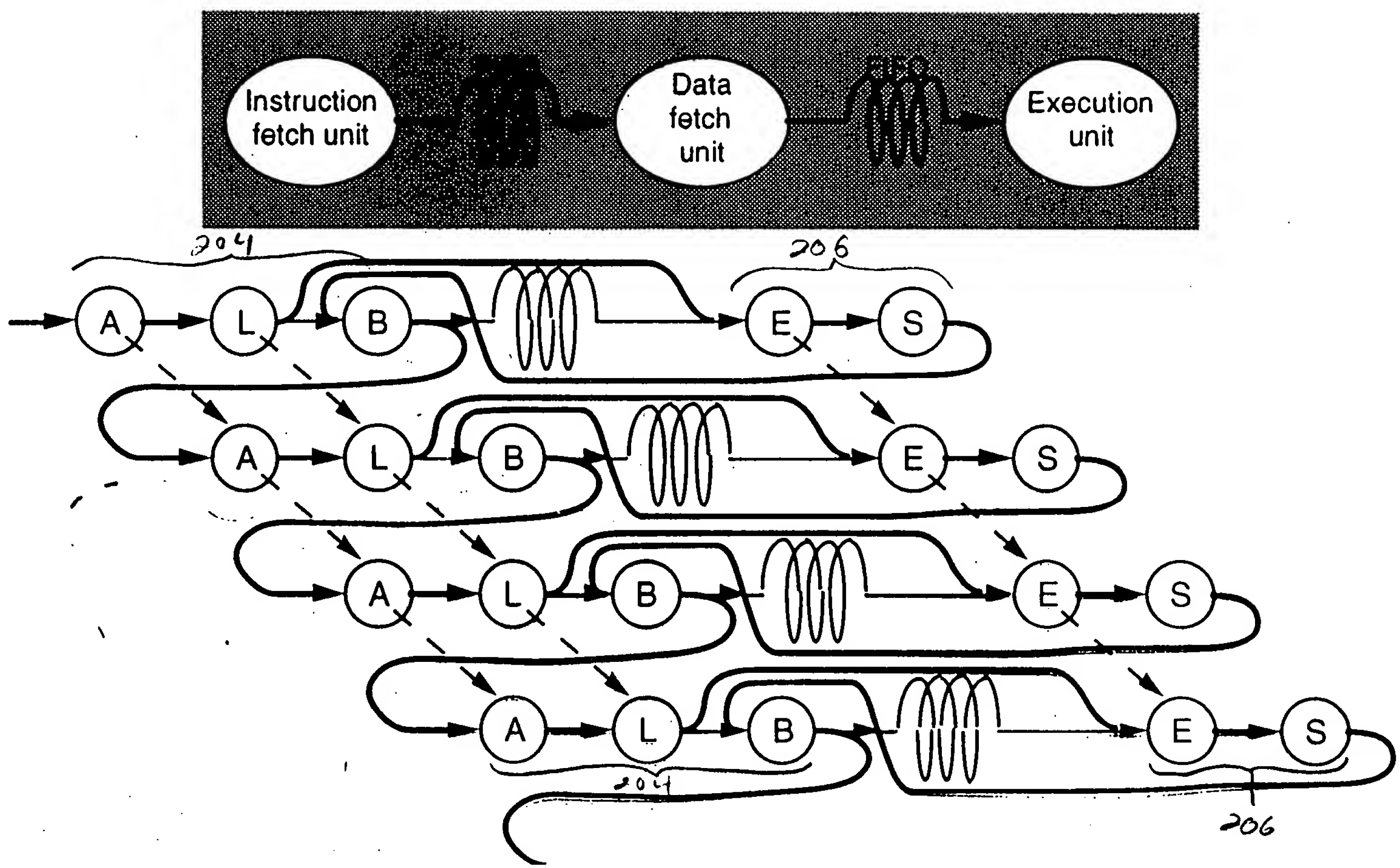

Figure 13

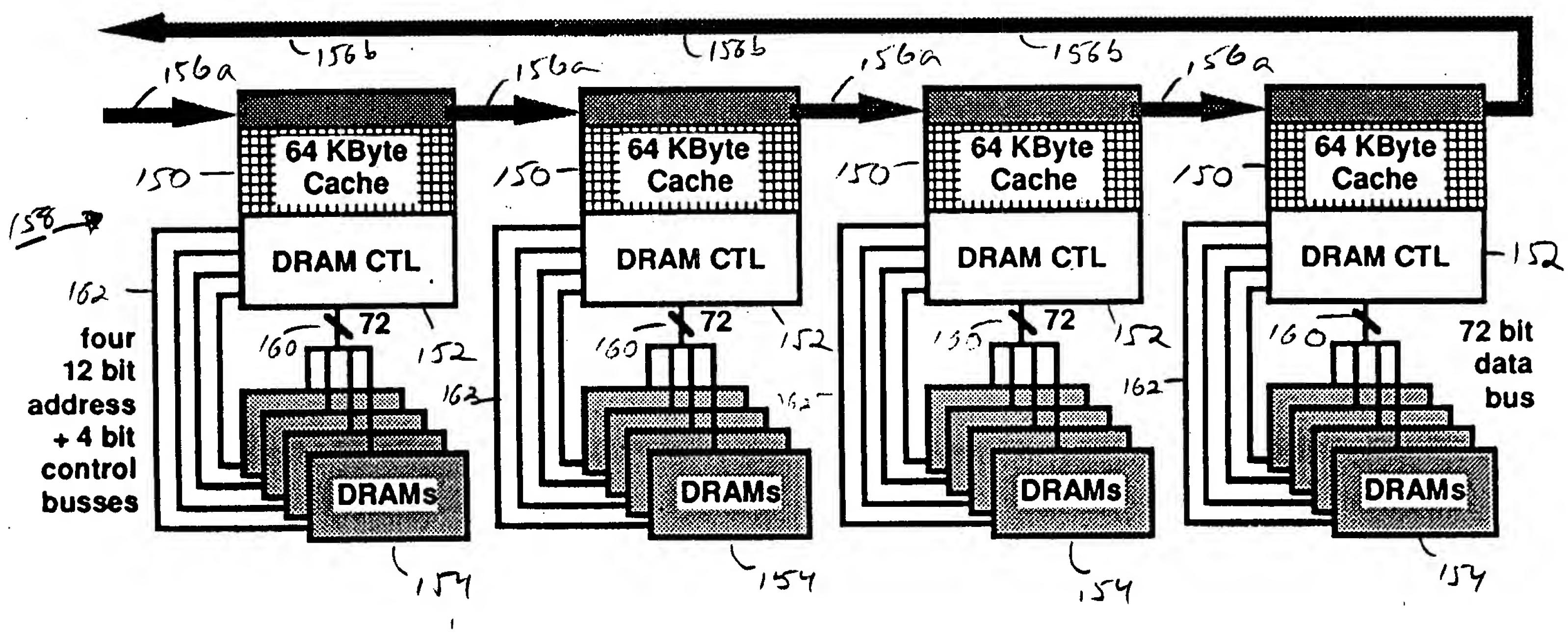

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Figure 14

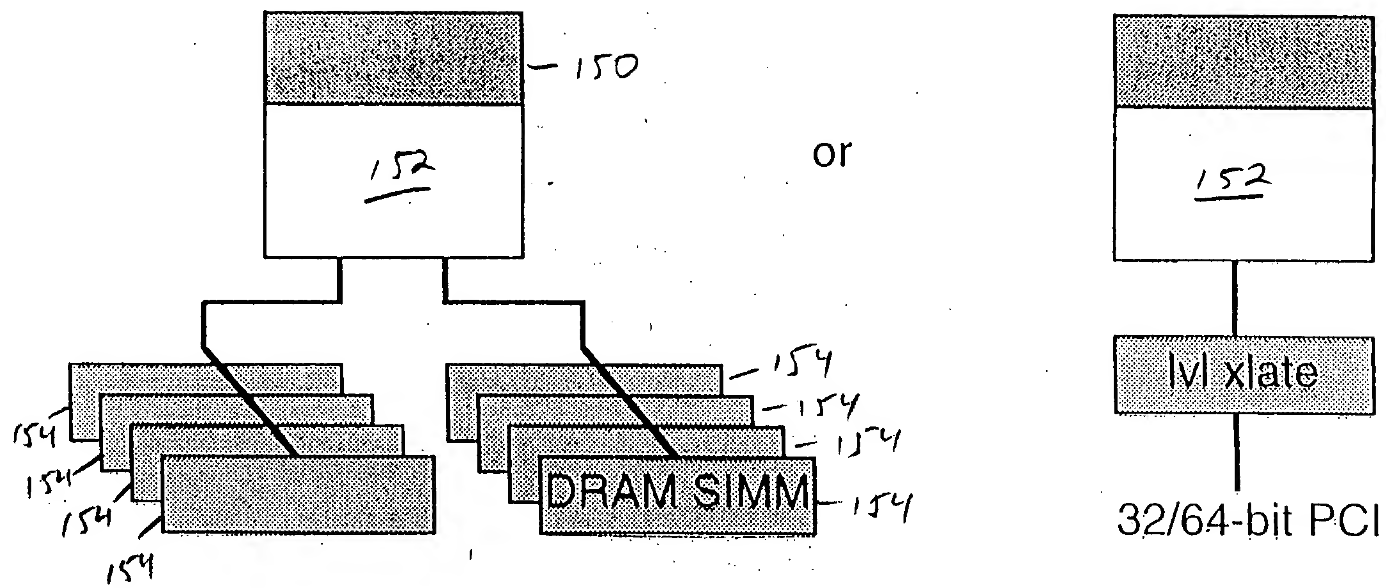

Figure 15

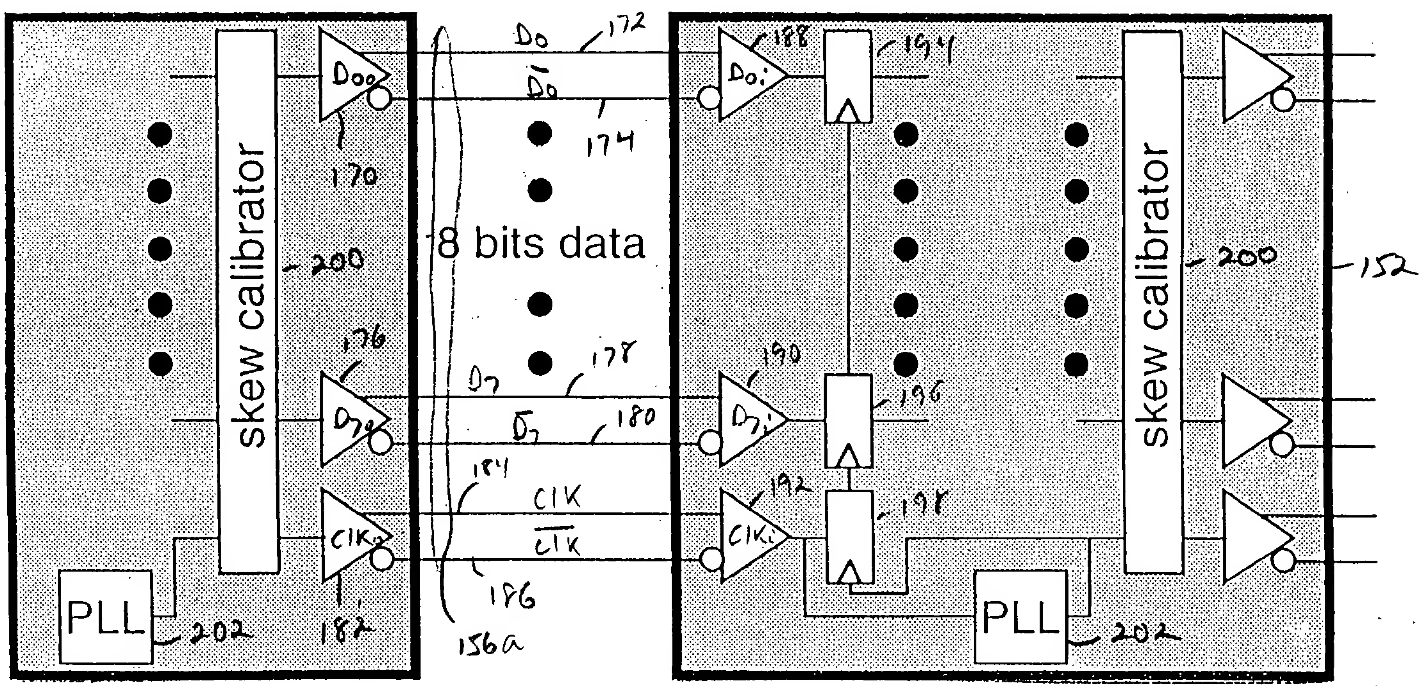

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Figure 16(a)

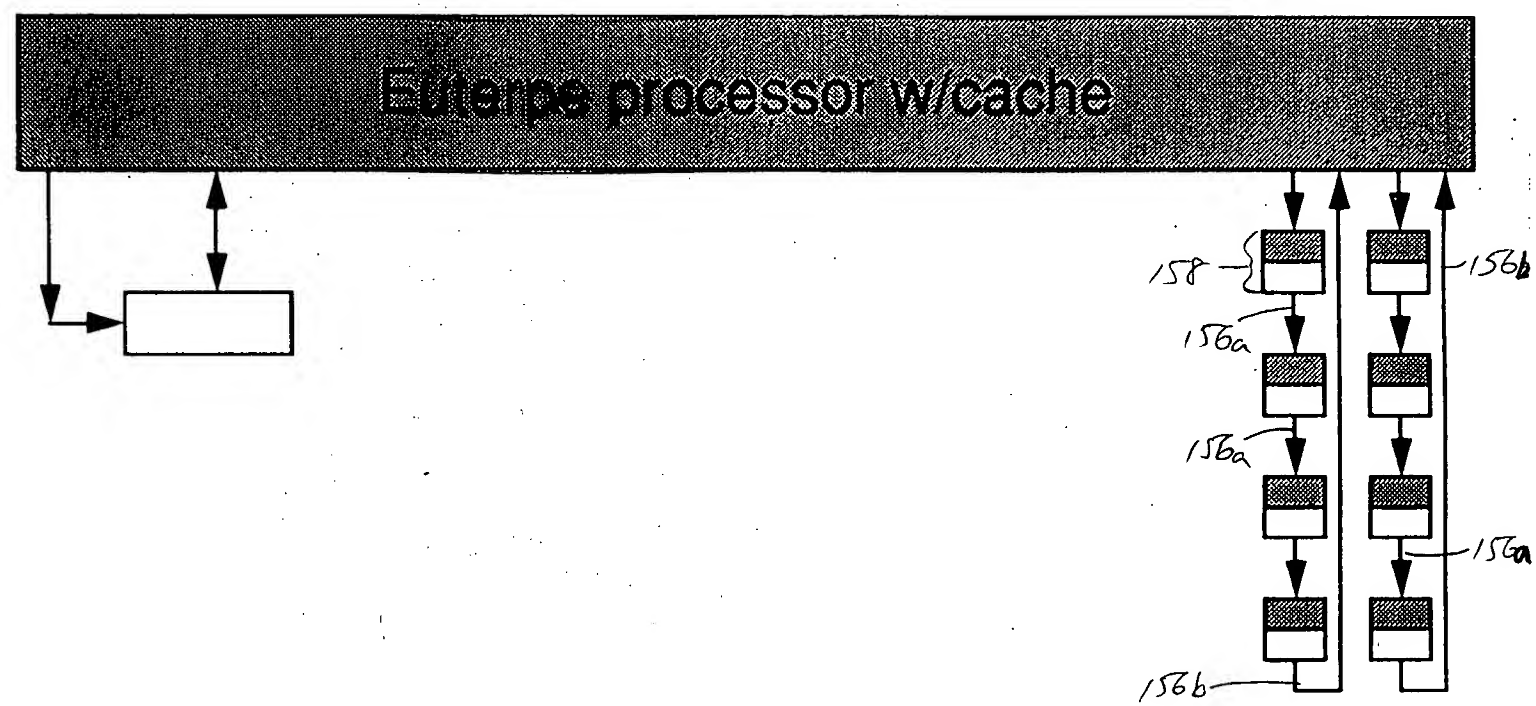

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Figure 16(b)

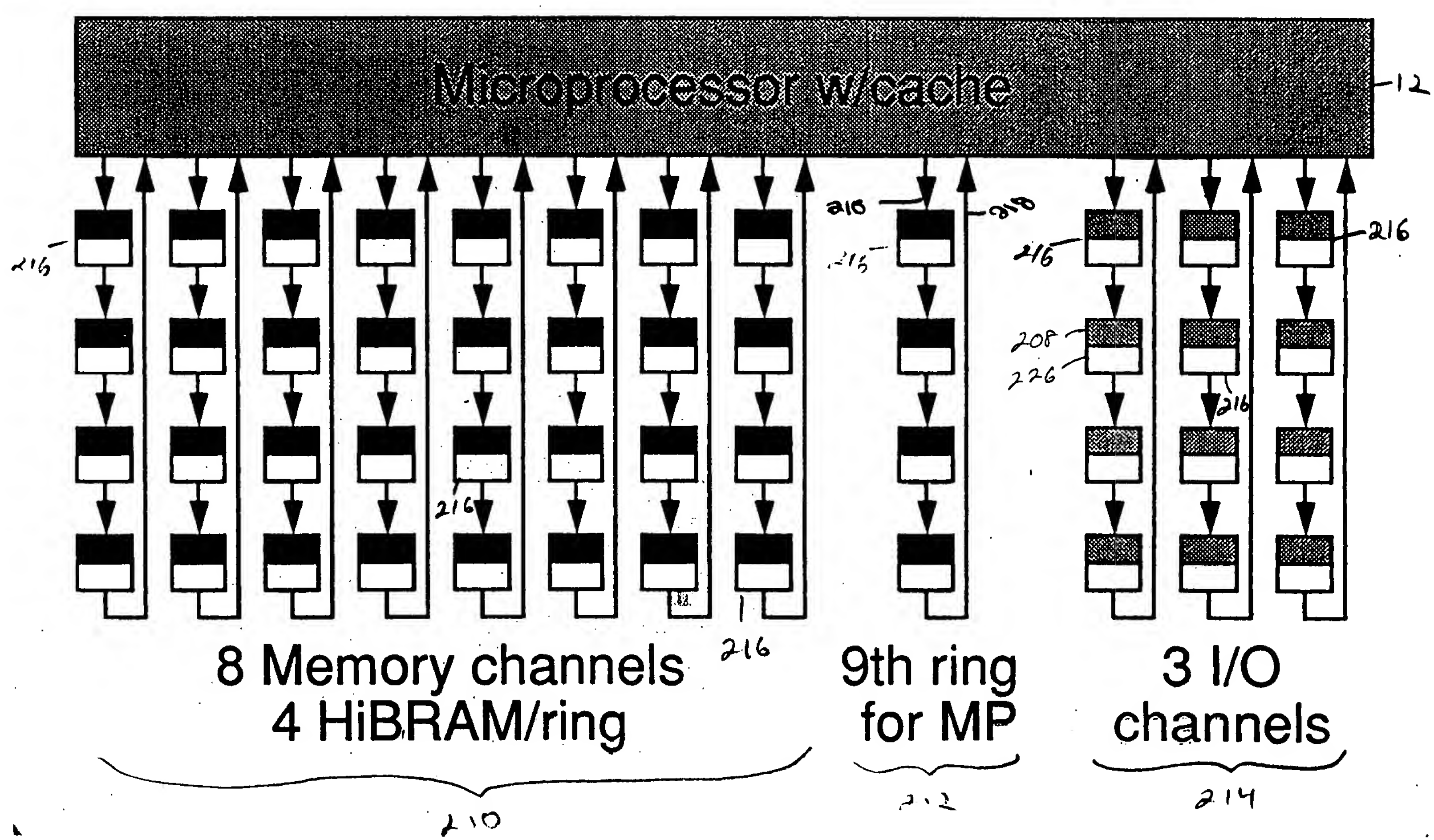

Figure 17

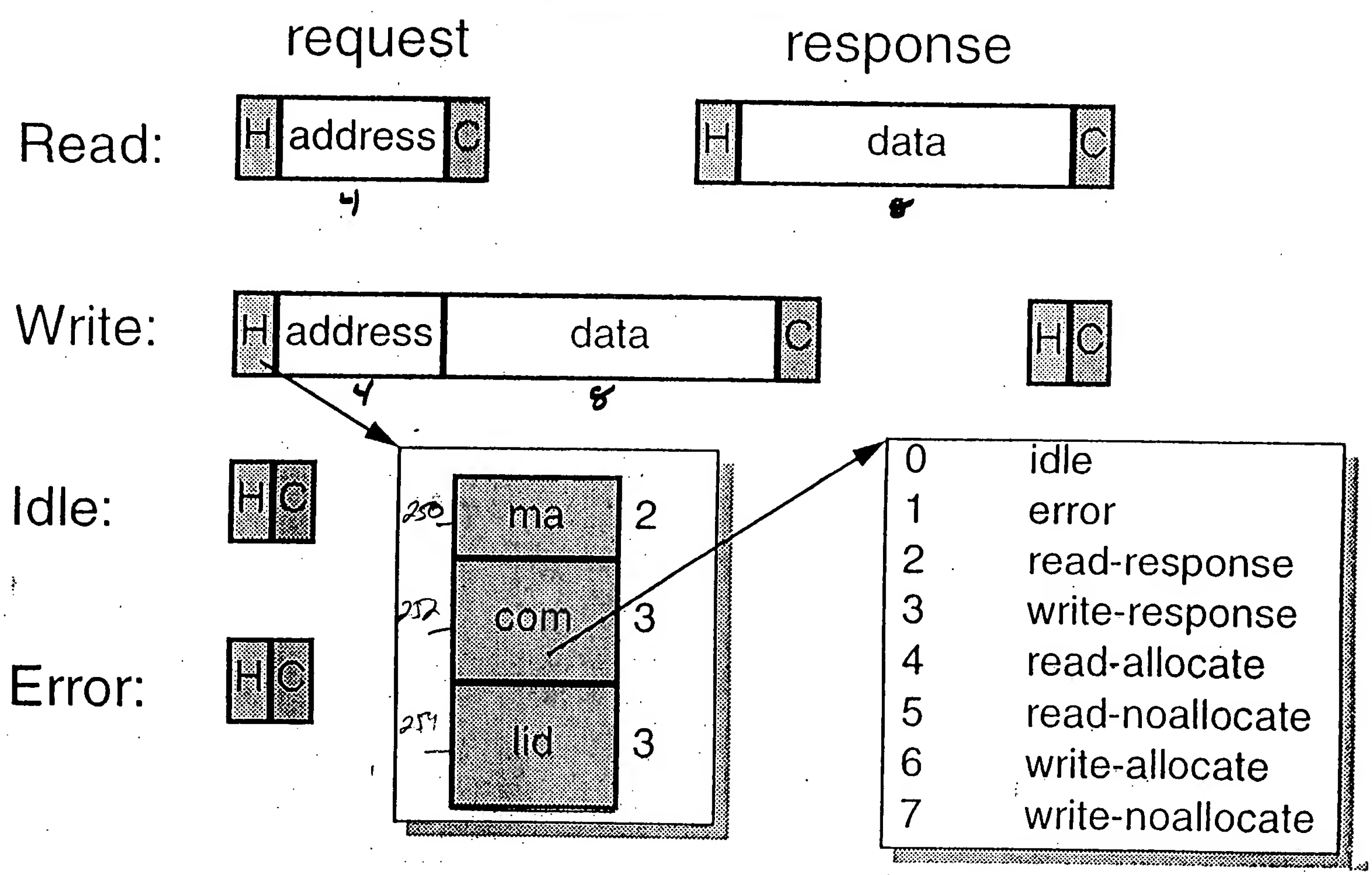

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Figure 18

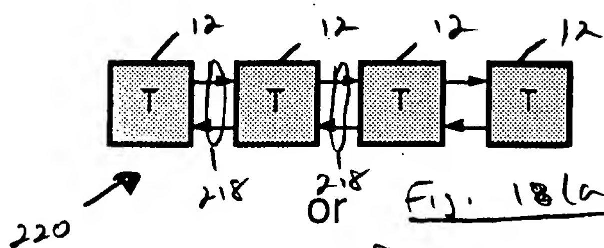


Fig. 18(a)

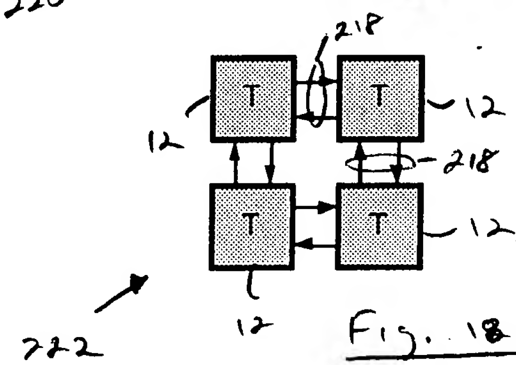


Fig. 18(b)

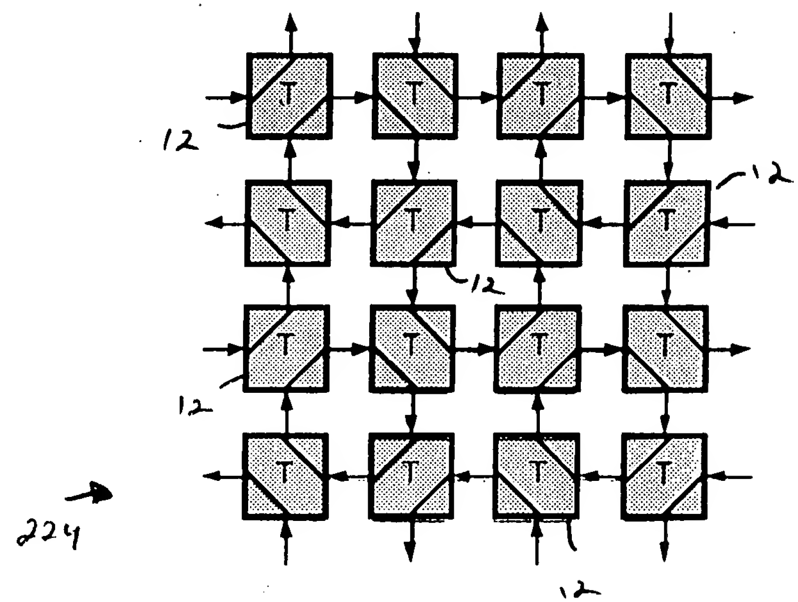
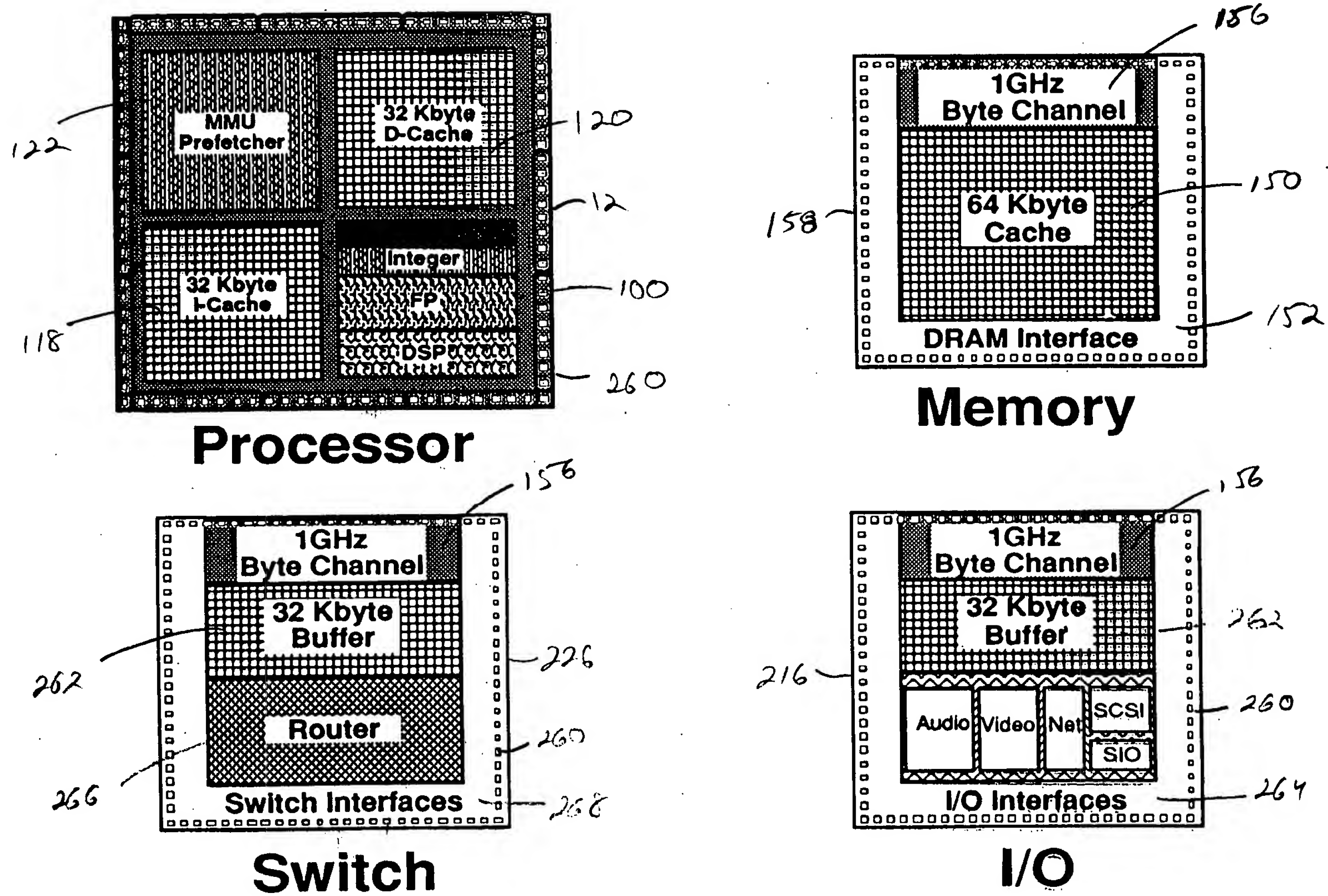


Fig. 18(c)

Figure 19



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